

# APPLICATION FOR THE CLEAN OHIO CONSERVATION FUND

3/03/03  
SUMMARY SHEET

CBBAF

**IMPORTANT:** Please consult the "Instructions for Completing the Project Application" for assistance with this form.

APPLICANT: Colerain Township CODE # 061-16616  
(If Unknown Call OPWC)

DISTRICT NUMBER: 2 COUNTY: Hamilton DATE 2/27/03

CONTACT: Frank Birkenhauer, Asst. Admin. PHONE # (513) 385-7500

(THE PROJECT CONTACT PERSON SHOULD BE THE INDIVIDUAL WHO WILL BE AVAILABLE DURING BUSINESS HOURS AND WHO CAN BEST ANSWER OR COORDINATE THE RESPONSE TO QUESTIONS)

FAX: (513) 245-6503 E-MAIL: fbirkenhauer@coleraintwp.org

PROJECT NAME: West Fork Mill Creek Riparian Corridor Project

## ELIGIBLE APPLICANT

(Check Only 1)

- ☐ A. County (1)  
☐ B. City (2)  
☒ C. Township (3)  
☐ D. Village (4)  
☐ E. Conservancy District (6)  
☐ F. Soil & Water  
Conservation District (7)  
☐ G. Joint Recreational District (8)  
☐ H. Park District/Authority (9)  
☐ I. Nonprofit Organization (10)  
☐ J. Other \_\_\_\_\_ (11)

## PROJECT TYPE

(Check Largest Component)

- ☐ A. Open Space (7)  
☒ B. Riparian Corridor (8)

## PRIMARY PROJECT EMPHASIS 18

(Choose a category from Attachment A which most closely describes your primary project emphasis.)

## ESTIMATED TOTAL

PROJECT COST (from 1.1f): \$392,712.00

## CLEAN OHIO CONSERVATION

FUNDING REQUESTED: (from 1.2e) \$43,802.00

NRAC APPROVAL - To be completed by the NRAC Committee ONLY

GRANT: \$ \_\_\_\_\_

## FOR OPWC USE ONLY

PROJECT NUMBER: \_\_\_\_\_

APPROVED FUNDING: \$ \_\_\_\_\_

Local Participation \_\_\_\_\_ %

Project Release Date: \_\_\_\_\_

Clean Ohio Fund Participation \_\_\_\_\_ %

**PROJECT FINANCIAL INFORMATION:****1.1 Project Estimated Costs****(a.) Acquisition Expenses**

Enter land purchase and/or easement purchase acquisition costs. If there are other acquisition expenses, please define under AOther@.

**(b.) Planning and Implementation**

Enter costs for planning such as appraisal fees, closing costs, title search, environmental assessments, and design. If there are additional planning and implementation costs not identified on the application, please define under AOther Eligible Costs@.

**(c.) Construction or Enhancement of Facilities**

Enter estimated construction costs to be paid to contractors or to be completed with in-kind work (through your own employees/volunteers). These costs must be supported by and consistent with a detailed architect=s or engineer's estimate.

**(d.) Permits, Advertising, and Legal**

Enter direct expenses for permit fees, advertising, and legal fees.

**(e.) Construction Contingencies**

Enter contingency amount indicated in your architect=s or engineer=s certified cost estimate (this amount should not exceed 10% of estimated construction costs).

**(f.) Total Estimated Costs**

Enter the total of items (a.) through (e.). Please round to the nearest dollar.

**In- Kind Column**

Indicate amount of work to be performed by your own employees. This could also include donated land, services and/or materials and volunteer labor. This should be supported by an architect=s or engineer=s estimate in compliance with the Ohio Revised Code.

**Ineligible Costs** - The following costs do not qualify for funding:

Projects shall not include hydromodification projects such as dams, dredging, sedimentation and bank clearing and shall not accelerate untreated water runoff or encourage invasive nonnative species.

Projects shall not include costs of planning or administrative services of a district NRAC, in reviewing, recording, approving, or disapproving project applications.

## 1.0 PROJECT FINANCIAL INFORMATION

1.1	PROJECT ESTIMATED COSTS: (Round to Nearest Dollar)	TOTAL DOLLARS	In Kind Dollars (See definition in instructions.)
a.)	Acquisition Expenses:	\$ _____ .00	
	Fee Simple Purchase	\$ _____	
	Easement Purchase	\$ _____	
	Other	\$ _____	
b.)	Planning and Implementation:	\$ <u>348,910.00</u>	_____
	Appraisal	\$ _____	
	Closing Costs	\$ _____	
	Title Search	\$ _____	
	Environmental Assessments	\$ _____	
	Design	\$ <u>3,410</u>	
	Other Eligible Costs*	\$ <u>345,500</u>	
* Amount paid by Colerain Township for the project sites' vacated lots through Project Impact.			
c.)	Construction or Enhancement of Facilities:	\$ <u>39,820.00</u>	\$ <u>\$33,600</u>
d.)	Permits, Advertising, Legal:	\$ _____ .00	_____
e.)	Contingencies: (not to exceed 10% of total costs)	\$ <u>3,982.00</u>	_____
f.)	TOTAL ESTIMATED COSTS:	\$ <u>392,712.00</u>	

## 1.2 Project Financial Resources

In this section, provide a breakdown of all project funding sources including the total amount of funding from each source and percentage in relation to the total project cost.

- (a) Local In-Kind Contributions - indicate the dollar value of force account labor (applicant's own employees), materials, equipment, or volunteer labor that will likely be contributed by the applicant toward the project.
- (b) Applicant Contributions (Local Funds) - indicate the dollar amount of actual applicant support, e.g. general revenues, local debt, user fees, etc.
- (c) Other Public Revenues - indicate other funding sources and dollar amounts expected from these sources. Nature Works, Land Water Conservation Fund, Ohio Environmental Protection Agency (OEPA), Ohio Water Development Authority (OWDA), Community Development Block Grant (CDBG), Ohio Department of Natural Resources (ODNR), or others.
- (d) Private Contributions - Any private sources such as developers, assessments, etc.
- (e) Clean Ohio Conservation Fund - financial assistance from the Clean Ohio Conservation fund. Please also include participation from other Natural Resources Assistance Councils. Applicants may request grants up to seventy-five percent (75%) of the total project cost.
- (f) Total Financial Resources - total items (a) through (e). This sum must equal the total estimated costs in section 1.1 (f). The sum of the percentages should equal 100%.

## 1.3 Availability of Local Funds

**Indicate the status (date available) of all funding sources identified in sections 1.2(a) through 1.2(d)**  
For applicant contributions, a Status of Funds Report should be signed by the applicant's CFO which certifies that all local share funds are available as indicated in the application and have been formally earmarked for the project. The CFO should also indicate status of all non-Clean Ohio Conservation funds to be used for the project. For other public revenues, indicate the specific program from which the funds are coming.

## 1.2 PROJECT FINANCIAL RESOURCES:

(Round to Nearest Dollar and Percent)

	DOLLARS	%
a.) In-Kind Contributions (Please define) <u>labor, equipment and materials</u>	\$ <u>33,600.00</u>	<u>8%</u>
b.) Applicant Contributions (Local Funds) <u>land acquisition and planning services</u>	\$ <u>348,910.00</u>	<u>82%</u>
c.) Other Public Revenues		
Nature Works	\$ <u>.00</u>	<u>      </u>
Land Water Conservation Fund	\$ <u>.00</u>	<u>      </u>
Ohio Environmental Protection Agency	\$ <u>.00</u>	<u>      </u>
Ohio Water Development Authority	\$ <u>.00</u>	<u>      </u>
Community Development Block Grant	\$ <u>.00</u>	<u>      </u>
Ohio Department of Natural Resources	\$ <u>.00</u>	<u>      </u>
OTHER _____	\$ <u>.00</u>	<u>      </u>
d.) Private Contributions	\$ <u>.00</u>	<u>      </u>
<b><i>SUBTOTAL LOCAL RESOURCES:</i></b>	\$ <u>382,510.00</u>	<u>90%</u>
e.) <b>CLEAN OHIO CONSERVATION FUND:</b>	\$ <u>43,802.00</u>	<u>10%</u>
Funds from another NRAC	\$ <u>.00</u>	<u>      </u>
<b><i>SUBTOTAL CLEAN OHIO RESOURCES:</i></b>	\$ <u>426,312.00</u>	<u>100%</u>
f.) <b>TOTAL FINANCIAL RESOURCES:</b>	\$ <u>392,712.00</u>	<u>100%</u>

## 1.3 AVAILABILITY OF LOCAL FUNDS:

Attach a statement signed by the Chief Financial Officer listed in section 4.2 certifying all local share funds required for the project will be available on or before the earliest date listed in the Project Schedule section.

List any partnership with other sources. (ie; is this part of a larger project or plan):

This project will build upon the success of Colerain Township's Project Impact, a federally funded program to reduce flood hazards. Having acquired and cleared \$345,500 worth of repetitive-loss flood-damaged properties near West Fork Mill Creek, Colerain Township is following through on its pledge to convert these now-vacant lots into greenspaces. Our project will capitalize on the greenspaces' potential as natural, functional components of the West Fork Mill Creek's riparian corridor and floodplain. Rather than seeding small vacant lots with fescue (a non-native grass species), we will convert the lots and more than 1,300 feet of stream to an ecologically functional floodplain system using ecological restoration principles. We also will eradicate invasive honeysuckle bushes near the stream and replace them with

more supple, native plants that bend with the current and do not impede high water flows.

In addition to supplementing the gains already achieved by Project Impact, the West Fork Mill Creek Riparian Corridor Project will make a reality of ideas recommended by previous plans, including the *Regional Water Quality Management Plan* (OKI Regional Council of Governments, 1977), *Mill Creek Watershed Management Plan* (OKI, 1995), *Mill Creek Watershed Greenway Master Plan* (Mill Creek Watershed Council, 1999), *Final Draft Report of the Colerain Township All Natural Hazards Mitigation Plan* (FMSM Engineers, February 2003), and the *West Fork Mill Creek Watershed Action Plan*, which is to be completed by the Mill Creek Watershed Council and watershed stakeholders later this year.

3

## 2.0 **PROJECT INFORMATION**

### 2.2 **Brief Project Description**

Describe the improvements resulting directly from implementation of this project.

- (A) **Specific Location** - Attach a map indicating the specific location. If a map is not available, provide specific location of the project boundaries (where the project begins and ends).
- (B) **Project Components** - Describe the kind of project and project components. For example, an open space project should indicate whether or not it involves habitat protection, reforestation of land, etc.
- (C) **Project Emphasis** - Provide the project specifics. Please indicate precisely how the project meets the emphasis described in Attachment A of the project application. Include descriptive characteristics such as the size of space being acquired or enhanced.
- (D) **Define Terms of Easement** - please refer to section 164.26 of the Ohio Revised Code for guidance.
- (5) **Information Regarding Public Access** - Describe where the access is located. Is it open to the general public or are there restrictions? What are the hours of availability? Will the general public be given the opportunity to participate in the planning of the project?

**2.3 Ownership/Management/Operation** - Please indicate who will own, maintain, and operate the improvement.

## 2.0 PROJECT INFORMATION

If the project is multi-jurisdictional, information must be consolidated in this section.

*Please check here if additional documentation is attached.*

### 2.1 BRIEF PROJECT DESCRIPTION - (Sections A through E):

Implementation of this project will result in these improvements:

- diversified terrestrial and aquatic habitat in the riparian corridor
- aesthetically pleasing and ecologically functional greenspaces with an educational value
- demonstration sites for stream management methodology
- stabilized streambank with bioengineering techniques
- less erosion and sedimentation from overland stormwater flow
- less siltation of downstream locations, including Winton Woods Lake (dredged 930,000 cubic yards of silt from 1995-96 for about \$1.5 million)
- more uptake of nutrients from overland stormwater flow and floodwaters
- more shading of the stream channel, improving the water temperature for aquatic life
- native plant communities to support an ecologically functional floodplain & riparian system
- fewer invasive, non-native plant species, particularly bush honeysuckle
- less localized flooding

The flood mitigation will be instructive, demonstrating how to:

- remove and replace woody honeysuckle bushes in the floodway with more supple native plants that bend with the current rather than impede high water flows
- increase the uptake of stormwater and improve soil permeability by planting appropriate species and densities of trees, shrubs, woody cuttings and herbaceous plants in the riparian corridor
- install plant community types within natural configurations
- implement bioengineering techniques to decrease streambank erosion, a problem that impairs stream channel carrying capacity and aggravates localized flooding

These improvements will explained through the project's public education program.

#### A: SPECIFIC LOCATION: Please attach a map.

Located in the Groesbeck area of Colerain Township, the project has three restoration sites:

- 1) both banks of the West Fork Mill Creek behind Blanchetta Drive and two vacated lots that were purchased by the township to prevent repetitive-loss flood damages;
- 2) left bank of a tributary to West Fork Mill Creek, behind Royal Glen Drive, and a vacated lot that the township purchased to prevent flood damages;
- 3) top of right bank of West Fork Mill Creek just upstream (south) of Galbraith Road and a vacated lot that the township purchased because streambank erosion was threatening a driveway and house

See Attachments B and C for project site location maps.

Despite urbanization and stream channelization, the restoration sites are fundamentally within the historical riparian corridor for West Fork Mill Creek and the tributary. See Attachment B for maps and aerial photos of the riparian corridor through the years.

PROJECT COUNTY: Hamilton County

PROJECT ZIP CODE: 45239

**B: PROJECT COMPONENTS:** Please describe the various project components.

The first and most important project component is the restoration of an ecologically functional floodplain and riparian corridor system comprised of native plant communities along an urban stream that is prone to flash flooding and devoid of adequate buffering.

To implement we must:

- assess existing conditions of depleted riparian habitat, degraded water quality and excessive water quantities after rainstorms
- design patches of native plant communities with necessary sizes, densities, numbers, proportions and locations to restore the desired ecosystems
- select appropriate best management practices to nurture plantings, stabilize streambanks and mitigate flooding
- plant native community types, eradicate non-native invasive vegetation, and install best management practices at the right time and in the proper manner with an appropriate mix of plant stock, conservation supplies, mechanized equipment, tools and people

The second project component is training and education. Volunteer planting days will create teachable moments with watershed residents, students, township employees and a Metropolitan Sewer District (MSD) crew we have recruited. Participants will be provided with instructive supervision, hands-on experience and educational materials to apply project site lessons elsewhere in the county. MSD employees will be specifically trained in ecological restoration of a riparian corridor construction site using bioengineering techniques. Upon completion of planting and installation, public education will continue through presentations, tours, newsletter articles, web sites and fact sheets.

The third project component is monitoring/evaluation to support restoration and education. Aquatic communities will be monitored to assess pre- and post-project conditions.

All three components – restoration, education and monitoring/evaluation – depend on qualified, committed people to see ensure completion. The people who have agreed to collaborate on the West Fork Mill Creek Riparian Corridor Project are:

Craig Straub, Ph.D.

Restoration Ecologist

Straub Ecological Services and J.F. New & Associates, Inc.

President of the Ohio Society for Ecological Restoration

Dr. Straub has designed and supervised the installation of ecological restoration projects for U.S. Department of Energy, BHE Environmental, Liberty Township Park Board and OKI Regional Council of Governments, for whom he designed a five-acre constructed floodplain pollutant attenuation system comprised of pools and islands along the upper Mill Creek as part of the Mill Creek Watershed Stormwater Quality Management Project.

His project roles are ecological restoration and bioengineering design, field supervision, and training of restoration crews and volunteers.

Frank Birkenhauer, M.P.A.

Assistant Administrator and Director of Development

Colerain Township

Chair of the Mill Creek Watershed Council

Mr. Birkenhauer is a young, promising public administrator who already has improved the West Fork Mill



Creek watershed by overseeing a Project Impact grant to purchase nine repetitive-loss flood damaged properties in the Groesbeck area of Colerain Township. As newly elected Chair of the Mill Creek Watershed Council, he will have many opportunities to provide more public exposure for the West Fork Mill Creek Riparian Corridor Project.

His project roles are management and serving as a liaison between the project sponsor, Colerain Township, and the project partners.

Michael C. Miller, Ph.D.

Professor of Aquatic Ecology

University of Cincinnati, Department of Biological Sciences

President of the Ohio Lake Management Society

Mill Creek Watershed Council Board of Trustees

Dr. Miller's academic career has taken him on research missions as far north as the Alaskan Pipeline and as far south as the Amazon River. He is now dedicated to sharing his knowledge, enthusiasm and analytical skills with watershed protection efforts in the region. Dr. Miller plans to take advantage of the West Fork Mill Creek Riparian Corridor Project as an educational demonstration site for his undergraduate and graduate students. In 2002, Dr. Miller and a research partner conducted extensive field work in and near the project area to publish *Discharge of Urban Streams on West Fork of the Mill Creek, Cincinnati, Ohio*. This study provides him a better understanding of the dynamic forces at play in West Fork Mill Creek.

His project roles are monitoring, evaluation and public education.

Brian Bohl, M.S.

Stream Specialist

Hamilton County Soil and Water Conservation District

Mr. Bohl recently completed graduate school at Miami University's Institute of Environmental Sciences and has immersed himself in a wide variety of urban stream programs. He led development of the Streamside and Stormwater Management Workshop in 2002, conducted oversight of a logjam removal program, provided guidance to property owners with stream problems, and collaborated with a variety of watershed groups.

His project roles are public education, installation and design consultation.

Kaniz Siddiqui, Ph.D.

Senior Chemist, Water Quality Coordinator and Project Manager

Metropolitan Sewer District of Greater Cincinnati (MSD)

Dr. Siddiqui is gently influencing MSD to involve itself in innovative environmental projects with bioengineering solutions. She has been responsive to initiatives aimed at improving the long-abused but surprisingly resurgent Mill Creek and major tributaries.

Her project role is to serve as liaison between project partners and the MSD crew that will be trained in simple bioengineering techniques. This will improve the sewer district's capability to properly restore MSD construction sites near rivers and streams.

Bruce Koehler, B.A.

Senior Planner

Ohio-Kentucky-Indiana Regional Council of Governments (OKI)

After a 12-year career in daily newspaper journalism, Mr. Koehler took advantage of his planning degree to become an environmental planner for OKI. He collaborates with local watershed groups and serves on the Executive Committee of the Mill Creek Watershed Council as chair of the Recreation Committee.

His project roles are catalyst and facilitator.

**C: PROJECT EMPHASIS AS DEFINED BY SECTIONS 164.22 (A) (B) OF THE OHIO  
REVISED CODE AND LISTED IN APPENDIX A: Please describe.**

Project emphasis items are addressed here one by one, as numbered in the Hamilton County NRAC Scoring Methodology:

- 1) The project will improve riparian corridor in an area with records of the cave salamander (*Eurycea lucifuga*), according to the Ohio Department of Natural Resources, Division of Natural Areas and Preserves, Natural Heritage Data Services (See Attachment D). The cave salamander is listed as an endangered amphibian species. The Natural Heritage Data Services also reports that Kirtland's snake (*Clonophis kirtlandii*), a threatened reptile species, and the butternut (*Juglans cinerea*), a potentially threatened shrub species, have been located less than a mile from the project sites.
- 2) The project will eradicate infestations of non-native, invasive Amur honeysuckle from both banks of West Fork Mill Creek.
- 3) Through planting of native vegetation in diverse, transitional plant communities along the riparian corridor, the project will increase high quality, viable habitat for plant and animal species.
- 4) By restoring a diversity of native plant species in the riparian corridor, this project will rebuild ecosystems that emulate naturally occurring ecological communities. This improves quality of life and natural heritage.
- 5) Aesthetically pleasing and ecologically informed designs are characteristic of the project plans for replacing non-native Eurasian grasses with native trees, shrubs, woody cuttings and wet prairie grasses more suitable to the project sites' riparian properties.
- 6) The project provides multiple educational opportunities. Project partner Brian Bohl will show the project sites to interested citizens and public officials as part of his services in kind. Project partner Michael C. Miller plans to use the project sites as educational field trip destinations for students at the University of Cincinnati. Project partner Craig Straub will provide educational training to employees of the Metropolitan Sewer District of Greater Cincinnati and project partner Bruce Koehler will include the project sites in public presentations he makes on the Mill Creek watershed. Don Brannen, a native vegetation educator who works for the Cincinnati Recreation Commission, has offered to involve students and interested adults in the project if their volunteer services and native plants are needed.
- 7) The project will ecologically enhance lots bought out by Colerain Township as part of its Project Impact program to convert repetitive-loss flood damage properties into ecologically functional greenspaces.
- 8) The project directly supports Colerain Township's greenspace planning by creating diverse riparian plant communities on vacated lots that otherwise would remain in their current state as monoculture lawns with non-native grasses. The project also helps Colerain Township set a good example for the private property owners who have voluntarily enrolled their properties as greenspaces in the township's growing Conservationist Award Program.
- 9) Footpaths of dense low-growing vegetation will be provided to keep the project sites accessible to people who enjoy walking by the stream or wish to view the project's progress in restoring native riparian plant communities in an urban setting. Once the plant communities are established, the project will have aesthetic preservation benefits in a census block with a 16.5% African-American population. Median household income in the project area census block is \$35,268, which ranks in

the lower third for household incomes throughout Colerain Township. The average home sale price in the project area is \$89,700, which is well below the township's average home sale price of about \$140,000. (Houses in the project area were built in the late 1940s and early 1950s.)

- 10) No fishing, hunting or trapping occurs in the project area.
- 11) Though it does increase the opportunities for passive recreation in natural settings, the project does not enhance economic development that relies on ecotourism. Once the riparian plant communities are established, they should have a positive influence on property values in neighborhoods with lower-than-average home sale prices.
- 12) Ecological designs have been prepared to enhance floodplain function at the three project sites by:  
(a) increasing land permeability with vegetation that enhances infiltration, (b) reducing further erosion of streambanks, thus preventing incisement and associated disconnection of the stream from its floodplain, (c) increasing surplus water uptake by populating the floodplain with mesophytic trees, shrubs, woody cuttings and herbaceous plants.
- 13) Through significant improvements to the riparian corridor, the project helps improve the water quality of West Fork Mill Creek and the tributary. We will create riparian plant communities that filter pollutants from overland stormwater flow, provide detritus for the aquatic food chain, and increase shade to improve stream water temperatures for aquatic wildlife. Project enhancements will address factors recognized by the Ohio EPA's Qualitative Habitat Evaluation Index (QHEI).
- 14) This project will help protect natural properties of the stream channel by reducing streambank erosion and sloughing.
- 15) The restoration of streamside forests, native vegetation and habitat is a primary goal of this project. (See the designs and plant community patch sheets in Attachment C)
- 16) The planting of mesophytic plants in periodically flooded soils next to West Fork Mill Creek and a tributary lend this riparian corridor buffering project many of the benefits to be found in a wetland project. Pooled water was observed on the project site behind Royal Glen Drive on Feb. 5, 2003. (See Attachment C)
- 17) The project does not need to acquire open space because the project sites are on land already owned or accessed by Colerain Township.
- 18) The filtration of stormwater runoff is a key objective for the project. Plantings in the riparian corridor will not only filter the highwaters of West Fork Mill Creek but also the overland flow of stormwater draining off residential backyards, apartment complex parking areas and numerous streets, driveways and rooftops.
- 19) The preservation of 340 feet of headwater stream addressed by the installation of Mixed Mesophytic Forest along the West Fork Mill Creek tributary behind Royal Glen Drive.

#### **D: DEFINE TERMS OF EASEMENTS:**

**PLEASE REFER TO SECTION 164.26 OF THE OHIO REVISED CODE.**

N/A

#### **E: INFORMATION REGARDING PUBLIC ACCESS**

Where is the access located? Is it open to the general public or are there restrictions? What are the hours of availability? Will the general public be given the opportunity to participate in the planning of the project?

All three project sites are easily accessed from the street and open to the general public. They are township greenspaces that remain open to viewing and passive recreation around the clock, seven days a week. Signage and low-lying vegetation will be strategically placed to inform visitors on how best to enjoy the project sites without trampling fragile plants or compacting the soil unnecessarily. These precautions are especially important while the riparian plant communities are taking root and gaining maturity.

#### **2.2 OWNERSHIP/MANAGEMENT/OPERATION: Please address.**

Colerain Township believes diligent management of the project sites is in its best interest because:

- The township's Project Impact grant calls for maintenance of the repetitive-loss flood damage

properties that were bought out and cleared with federal funding.

- The township wants to set a good example for private property owners who are considering participation in the township's Conservationist Award Program through the voluntary set aside of greenspaces.
- The township's final draft of the *All Natural Hazards Mitigation Plan* encourages maintenance of riparian properties.

(See Attachment D)

### 3.0 PROJECT SCHEDULE

Indicate the estimated beginning and ending dates of your project. (3.1) planning and implementation, (3.2) land acquisition/easements, (3.3) site improvements. If dates are not applicable to your project, please enter N/A.

Projects with schedules that lend themselves to a future program year may be returned for resubmission at a later date.

### 4.0 PROJECT OFFICIALS

#### 4.1 Chief Executive Officer (CEO)

Identify the person who will have legal authority to sign a project agreement as indicated in the required authorization (see Section 5.0, Attachments). This person **must** have the authority to enter into a contract with the commission. Examples of a CEO are: the chair/president of the board of county commissioners or township trustees, a mayor or manager of a city or village. Include title, mailing address, phone number, fax number, and e-mail address, if available. **Project Agreements from the OPWC will be mailed directly to the Chief Executive Officer for execution.**

#### 4.2 Chief Financial Officer (CFO)

Identify the person who will have legal responsibility for managing both local and state funds. The CFO reviews and certifies the validity and accuracy of accounts, reviews invoices associated with the project, and assists in requesting the disbursement of program funds from the OPWC. Examples of a CFO are: county or city auditor, clerk/treasurer, or finance director. Include title, mailing address, phone number, fax number, and e-mail address, if available.

#### 4.3 Project Manager (PM)

Identify the person with whom OPWC should have contact regarding administration of the project. This person could be a county or city engineer, an employee of the applicant, or a contracted consultant. Include title, mailing address, phone number, fax number, and e-mail address, if available.

### 3.0 PROJECT SCHEDULE:\*

	BEGIN DATE	END DATE
3.1 Planning and Implementation:	<u>6 / 2 / 03</u>	<u>10 / 31 / 03</u>
3.2 Land Acquisition/Easements	<u>N/A</u>	<u>N/A</u>
3.3 Site Improvements:	<u>6 / 2 / 03</u>	<u>10 / 31 / 03</u>

Project activities can begin immediately upon award of a grant. The project schedule is for restoration activities. Project monitoring, evaluation and education will continue after the completion of restoration work.

\* Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by a project official of record and approved by the commission once the Project Agreement has been executed.

### 4.0 PROJECT OFFICIALS:

- 4.1 CHIEF EXECUTIVE OFFICER  
TITLE Keith Corman  
STREET Trustee President  
CITY/ZIP 4200 Springdale Road  
PHONE Cincinnati, Ohio 45251-1419  
FAX (513) 385-7500  
E-MAIL (513) 245-6503  
kcorman@coleraintwp.org
- 4.2 CHIEF FINANCIAL OFFICER  
TITLE Kathy Mohr  
STREET Township Clerk  
CITY/ZIP 4200 Springdale Road  
PHONE Cincinnati, Ohio 45251-1419  
FAX (513) 385-7500  
E-MAIL (513) 245-6503  
kmohr@coleraintwp.org
- 4.3 PROJECT CO-MANAGER  
TITLE Frank Birkenhauer  
STREET Township Assistant Administrator and Dev. Director  
CITY/ZIP 4200 Springdale Road  
PHONE Cincinnati, Ohio 45251-1419  
FAX (513) 385-7500  
E-MAIL (513) 245-6503  
fbirkenhauer@coleraintwp.org
- PROJECT CO-MANAGER  
TITLE Bruce Koehler  
STREET Senior Planner, OKI Regional Council of Governments  
CITY/ZIP 801-B West Eighth Street, Suite 400  
PHONE Cincinnati, Ohio 45203-1607  
FAX (513) 621-6300, Ext. 112  
E-MAIL (513) 621-9325  
bkoehler@oki.org

Changes in Project Officials must be submitted in writing from the CEO or CFO.

## 5.0

### ATTACHMENTS/COMPLETENESS REVIEW:

**BE CERTAIN EACH OF THE ITEMS LISTED BELOW IS ATTACHED. YOUR APPLICATION MAY BE DELAYED OR REJECTED IF THE INFORMATION IS OMITTED OR INCOMPLETE. FOR YOUR CONVENIENCE, SAMPLE DOCUMENTS ARE ATTACHED TO THESE INSTRUCTIONS.**

A certified copy of the authorization by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts with the commission. This individual should sign under 6.0, Applicant Certification, below.

A certification signed by the applicant's chief financial officer stating all local share funds required for the project will be available on or before the dates listed in the Project Schedule section.

A formal detailed estimate of the project's costs provided by an architect, landscape architect, or other professional. For land acquisition, an appraisal by a State-certified general real estate appraiser, as defined under ORC 4763 for the type of land being appraised will need to be submitted to the NRAC prior to closing.

A cooperation agreement, (if the project involves more than entity) which identifies the fiscal and administrative responsibilities of each participant.

Resolution of Support (refer to section 164.23(B)(1) of the Ohio Revised Code for guidance.)

Identification of any participation by state agencies that may have expertise regarding the particular project and that may provide assistance with respect to the project.

Information concerning the coordination of the project among local political subdivisions, state agencies, federal agencies, community organizations, conservation organizations, and local business groups.

Supporting Documentation: Materials such as additional project description, photographs, and/or other information to assist your NRAC in ranking your project. Be sure to include supplements which may be required by your *local* NRAC.

Have you reviewed your NRAC's methodology to see that you addressed all components?

## 6.0

### APPLICANT CERTIFICATION:

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that the project, as defined in the application, has NOT resulted in any transfer of title or rights to land or begun any type of physical improvements prior to the execution of a Project Agreement with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding.

---

Certifying Representative (Type or Print Name and Title)

## 5.0 ATTACHMENTS/COMPLETENESS REVIEW:

In order that your application may be processed in a timely fashion, please submit your application on 8 1/2 by 11 white paper with dark ink so that it may be copied for others. It is understood that some items may not conform to this request such as large maps and photographs. Feel free to include these items.

Confirm in the blocks [ ] below that each item listed is attached.

- ☒ A certified copy of the authorization by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 6.0, Applicant Certification, below.
- ☒ A certification signed by the applicant's chief financial officer stating all local share funds required for the project will be available on or before the dates listed in the Project Schedule section.
- ☒ A formal detailed estimate of the project's costs provided by an architect, landscape architect, or other professional. For land acquisition, an appraisal by a State-certified general real estate appraiser, as defined under ORC 4763 for the type of land being appraised will need to be submitted to the NRAC prior to closing.
- ☐ A cooperation agreement (if the project involves more than one entity) which identifies the fiscal and administrative responsibilities of each participant.
- ☒ Resolution of Support (Please refer to section 164.23(B)(1) of the Ohio Revised Code for guidance.)
- ☐ Identification of any participation by state agencies that will provide to this particular project and that will provide assistance with respect to the project.
- ☒ Information concerning the coordination of the project among local political subdivisions, state agencies, federal agencies, community organizations, conservation organizations, and local business groups.
- ☒ Supporting Documentation: Materials such as additional project description, photographs, and/or other information to assist your NRAC in ranking your project. Be sure to include supplements which may be required by your *local* NRAC.
- ☒ Have you reviewed your NRAC's methodology to see that you have addressed all components?

## 6.0 APPLICANT CERTIFICATION:

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that the project, as defined in the application, has NOT resulted in any transfer of title or rights to land or begun any type of physical improvements prior to the execution of a Project Agreement with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding.

\_\_\_\_\_  
Certifying Representative (Type or Print Name and Title)

\_\_\_\_\_  
Original Signature/Date Signed



# ATTACHMENT A

## PROJECT EMPHASIS

NOTE: IF THE PROJECT HAS MORE THAN ONE EMPHASIS, PLEASE PLACE A A1<sup>st</sup> IN THE CATEGORY THAT IS THE PRIMARY EMPHASIS, A A2<sup>nd</sup> IN THE CATEGORY WITH SECONDARY EMPHASIS, AND A A3<sup>rd</sup> IN THE CATEGORY WITH THIRD EMPHASIS.

### OPEN SPACE

- \_\_\_ 1. Protects habitat for rare, threatened and endangered species
- \_\_\_ 2. Increases habitat protection
- \_\_\_ 3. Reduces or eliminates nonnative, invasive species of plants or animals
- \_\_\_ 4. Preserves high quality, viable habitat for plant and animal species
- \_\_\_ 5. Restores and preserves aquatic biological communities
- \_\_\_ 6. Preserves headwater streams
- \_\_\_ 7. Preserves or restores floodplain and streamside forest functions
- \_\_\_ 8. Preserves or restores water quality
- \_\_\_ 9. Preserves or restores natural stream channels
- \_\_\_ 10. Preserves or restores functioning floodplains
- \_\_\_ 11. Preserves or restores wetlands
- \_\_\_ 12. Preserves or restores streamside forests
- \_\_\_ 13. Preserves or restores other natural features that contribute to quality of life and state's natural heritage

### RIPARIAN CORRIDOR

- \_\_\_ 14. Fee simple acquisition of lands to provide access to riparian corridors or watersheds
- \_\_\_ 15. Acquisition of easements for protecting and enhancing riparian corridors or watersheds
- 2<sup>nd</sup> 16. Reforestation of land
- 1<sup>st</sup> 17. Planting vegetation for filtration
- 3<sup>rd</sup> 18. Incorporates aesthetically pleasing and ecologically informed design
- \_\_\_ 19. Enhances educational opportunities and provides physical links to schools and after school centers
- \_\_\_ 20. Acquisition of connecting corridors
- \_\_\_ 21. Supports comprehensive open space planning
- \_\_\_ 22. Provides multiple recreational, economic and asthetic preservation benefits
- \_\_\_ 23. Allows proper management of areas where safe hunting and trapping may take place in a manner that will preserve balanced natural ecosystems.
- \_\_\_ 24. Enhances economic development that relies on recreational and ecotourism in areas of relatively high unemployment and lower incomes

# Attachment C

Site Photographs

Conceptual Planting Plan

Planting Specification Sheets

Project Budget



Tributary to West Fork Mill Creek along Royal Glen drive, downstream view (OKI photo, 2-5-03)



West Fork Mill Creek along Blanchetta Drive, downstream view from top of stream bank (OKI photo, 2-5-03)



Galbraith Road Site looking west at top of bank along West Fork Mill Creek (OKI photo 2-5-03)

## Patch Specification Sheet

Plant Community: Mixed Mesophytic Forest (MM)

Common Name	Scientific Name	Growth Form
Ninebark	<i>Physocarpus opulifolius</i>	Shrub
Spicebush	<i>Lindera benzoin</i>	Shrub
Nannyberry	<i>Viburnum lentago</i>	Shrub
Buttonbush	<i>Cephalanthus occidentalis</i>	Shrub
Bladdernut	<i>Staphylea trifolia</i>	Shrub
Blackhaw Viburnum	<i>Viburnum prunifolium</i>	Shrub
Bur Oak	<i>Quercus macrocarpa</i>	Tree
Sweet Gum	<i>Liquidambar styraciflua</i>	Tree
Shingle Oak	<i>Quercus imbricaria</i>	Tree
Shellbark Hickory	<i>Carya laciniosa</i>	Tree
Red Oak	<i>Quercus rubra</i>	Tree
Chinquapin Oak	<i>Quercus muehlenbergii</i>	Tree
White Ash	<i>Fraxinus americana</i>	Tree
Red Maple	<i>Acer rubrum</i>	Tree
Tulip Poplar	<i>Liriodendron tulipifera</i>	Tree
Sycamore	<i>Platanus occidentalis</i>	Tree

## Woody Cuttings (Blanchetta Site)

Common Name	Latin Name	No. of Cuttings
Buttonbush	<i>Cephalanthus occidentalis</i>	73
Sandbar Willow	<i>Salix exigua</i>	73
Red-Osier Dogwood	<i>Cornus stolonifera</i>	73

## Patch Specification Sheet #1

Plant Community: Prairie (Pr)

## Cover Crop

Common Name	Scientific Name	PLS Ozs./Acre
Seed Oats	<i>Avena sativa</i>	360.00
Annual Rye	<i>Lolium multiflorum</i>	100.00
Timothy	<i>Phleum pratense</i>	20.00

## Prairie Grasses and Wildflowers

Common Name	Scientific Name	PLS Ozs./Acre
Big Bluestem Grass	<i>Andropogon gerardi</i>	32.00
Little Bluestem Grass	<i>Andropogon scoparius</i>	16.00
Side-Oats Grama	<i>Bouteloua curtipendula</i>	16.00
Canada Wild-Rye	<i>Elymus canadensis</i>	18.00
Switch Grass	<i>Panicum virgatum</i>	2.00
Indian Grass	<i>Sorghastrum nutans</i>	24.00
Thimbleweed	<i>Anemone cylindrica</i>	1.50
Sky-blue Aster	<i>Aster azureus</i>	0.75
Butterfly Weed	<i>Asclepias tuberosa</i>	1.25
New England Aster	<i>Aster novae-angliae</i>	1.00
White Wild Indigo	<i>Baptisia leucantha</i>	1.50
Cream Wild Indigo	<i>Baptisia leucophaea</i>	0.75
Partridge Pea	<i>Cassia fasciculata</i>	3.00
Prairie Coreopsis	<i>Coreopsis palmate</i>	0.25
Illinois Sensitive Plant	<i>Desmanthus illinoensis</i>	2.00
Illinois Tick Trefoil	<i>Desmodium illinoense</i>	1.00
Broad-leaved Purple Coneflower	<i>Echinacea purpurea</i>	3.00
Rattlesnake Master	<i>Eryngium yuccifolium</i>	2.00
Black-Eyed Susan	<i>Rudbeckia hirta</i>	1.50

## Patch Specification Sheet #2

Plant Community: Prairie (Pr)

## Wildflowers (continued)

Common Name	Scientific Name	PLS Ozs./Acre
Round-headed Bush Clover	<i>Lespedeza capitata</i>	2.00
Rough Blazing Star	<i>Liatris aspera</i>	2.50
Wild Lupine	<i>Lupinus perennis</i>	3.50
Prairie Bergamot	<i>Monarda fistulosa</i>	0.50
Wild Quinine	<i>Parthenium integrifolium</i>	2.00
Prairie Cinquefoil	<i>Potentilla arguta</i>	0.50
Yellow Coneflower	<i>Ratibida pinnata</i>	3.00
Rosin Weed	<i>Silphium integrifolium</i>	3.00
Compass Plant	<i>Silphium laciniatum</i>	3.00
Prairie Dock	<i>Silphium terebinthinaceum</i>	3.00
Old-field Goldenrod	<i>Solidago nemoralis</i>	1.00
Stiff Goldenrod	<i>Solidago rigida</i>	2.00
Showy Goldenrod	<i>Solidago speciosa</i>	1.00
Culver's Root	<i>Veronicastrum virginicum</i>	0.75
Heart-leaved Meadow Parsnip	<i>Zizia aptera</i>	0.50
Mountain Mint	<i>Pycnanthemum virginianum</i>	0.25



## Patch Specification Sheet

Plant Community: Upland Forest (UF)

Common Name	Scientific Name	Growth Form
Smooth Serviceberry	<i>Amelanchier laevis</i>	Shrub
Coralberry	<i>Symphoricarpos orbiculatus</i>	Shrub
Bladdernut	<i>Staphylea trifolia</i>	Shrub
Gray Dogwood	<i>Cornus racemosa</i>	Shrub
Witch Hazel	<i>Hamamelis virginiana</i>	Shrub
Staghorn Sumac	<i>Rhus Typhina</i>	Shrub
Hazelnut	<i>Corylus americana</i>	Shrub
Blackhaw Viburnum	<i>Viburnum prunifolium</i>	Shrub
Shagbark Hickory	<i>Carya ovata</i>	Tree
White Oak	<i>Quercus alba</i>	Tree
Red Oak	<i>Quercus rubra</i>	Tree
White Ash	<i>Fraxinus americana</i>	Tree
Black Walnut	<i>Juglans nigra</i>	Tree
Redbud	<i>Cercis Canadensis</i>	Tree
Sugar Maple	<i>Acer saccharum</i>	Tree
Ohio Buckeye	<i>Aesclus glabra</i>	Tree
Paw Paw	<i>Asimina triloba</i>	Tree

**Total Project Cost for 3 sites (Royal Glen, Blanchetta, Galbraith)**

[illegible]

### Forest Buffer (Mixed Mesophytic Forest) and Prairie Installation Royal Glen Site

[illegible]

[illegible]

[illegible]

[illegible]

## Attachment D

Resolutions

Certifications

Management/Operation Memo

Local Floodplain Compliance

ODNR Natural Heritage Data Services Response

**A RESOLUTION AUTHORIZING COLERAIN TOWNSHIP TO FILE AN APPLICATION AND ENTER INTO A PROJECT AGREEMENT WITH THE OHIO PUBLIC WORKS COMMISSION TO STABILIZE AND ENHANCE WEST FORK MILL CREEK, A DEGRADED RIPARIAN CORRIDOR**

WHEREAS, Colerain Township, , Hamilton County, Ohio, wishes to file an application and Enter into a project agreement with the Ohio Public Works Commission; and

WHEREAS, Colerain Township recognizes the importance of stabilizing and enhancing a degraded riparian corridor that runs the risk of flooding, erosion and nonpoint source pollution, but holds the promise of cost-effective restoration of West Fork Mill Creek; and.

WHEREAS, project partners will implement a variety of bioengineering techniques that fit within the overall plan for ecologically informed design; and

WHEREAS, as the project progresses, the partners will demonstrate riparian corridor practices to others who can benefit by the example of a restored urban stream; and

WHEREAS, measurable benefits of the project will include decreases in water velocity, erosion, nonpoint source pollution to the West Fork Mill Creek, Winton Woods Lake and the Mill Creek streambank slump failure; infrastructure maintenance costs; property damage; siltation of the streambed; invasive, non-invasive, non-native plants; stream water temperature; eutrophication; and

WHEREAS, the project site would enhance township greenspace along the West Fork Mill Creek in fulfillment of existing plans for the watershed; and

WHEREAS, the project will contribute to the quality of life and Ohio's natural heritage by restoring a riparian corridor through publicly owned land in an urbanized watershed;

NOW, THEREFORE, BE IT RESOLVED by the Colerain Township Board of Trustees, Hamilton County, Ohio, with three members elected thereto concurring:

Section 1. That the Assistant Township Administrator is hereby authorized to apply for and, if awarded, enter into an agreement with the Ohio Public Works Commission for Clean Ohio Conservation Program funds to administer a grant to implement said program, and that the Assistant Administrator and Township Clerk are authorized to sign said agreement.

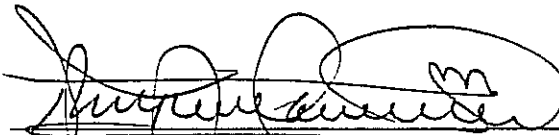


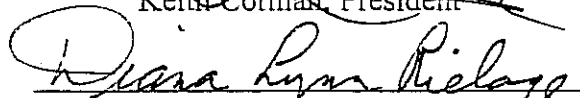
Section 2. That Colerain Township hereby requests the Ohio Public Works Commission for Clean Ohio Conservation Program to consider and fund its application in order to realize this riparian restoration project.

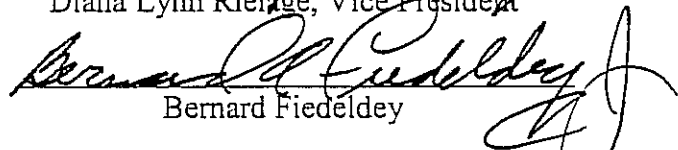
Section 3. That it is found and determined that all formal actions of this Board of Township Trustees, concerning and relating to the adoption of this resolution were adopted in an open meeting of this Board of Township Trustees, and that all deliberations of the Board and any of its committees that resulted in such formal action, were in meetings open to the public in compliance with all legal requirements including Section 121.22 of the Ohio Revised Code.

Section 4. That this resolution shall take effect and be in force from and after the earliest period allowed by law.

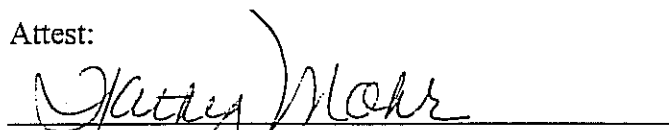
Dated this 25<sup>th</sup> day of February, 2003.

  
Keith Corman, President

  
Diana Lynn Rielage, Vice President

  
Bernard Fiedeldey

Attest:

  
Kathy Mohr, Clerk



# Colerain Township

Trustees  
KEITH N. CORMAN  
BERNARD A. FIEDELDEY JR.  
DIANA LYNN RIELAGE  
Clerk  
KATHY MOHR  
Administrator  
DAVID L. FOGLESONG

## ADMINISTRATION

4200 Springdale Road • Colerain Township, Ohio 45251-1419  
(513) 385-7500 • FAX (513) 245-6503 • www.coleraintwp.org

## AUTHORIZATION BY THE GOVERNING BODY OF COLERAIN TOWNSHIP

FRANK BIRKENHAUER is hereby authorized to apply to the OPWC for Clean Ohio Conservation Program funds.

Frank Birkenhauer is further authorized to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance.

Feb 28, 2003  
Date

[Signature]  
Applicant  
President - Board of Trustees



# Colerain Township

Trustees  
KEITH N. CORMAN  
BERNARD A. FIEDELDEY JR.  
DIANA LYNN RIELAGE

Clerk  
KATHY MOHR

Administrator  
DAVID L. FOGLESONG

## ADMINISTRATION

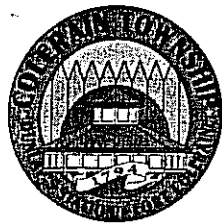
4200 Springdale Road • Colerain Township, Ohio 45251-1419  
(513) 385-7500 • FAX (513) 245-6503 • [www.coleraintwp.org](http://www.coleraintwp.org)

## CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS

Date: March 3, 2003

I, Clerk of Colerain Township, hereby certify that Colerain Township has the amount of \$ 13,920.00 in "in kind" services and design fees and that this amount will be used to pay the applicant revenues for the **West Fork Mill Creek Riparian Corridor Project** when it is required.

Kathy Mohr, Clerk  
Applicant



# Colerain Township

**Trustees**  
KEITH N. CORMAN  
BERNARD A. FIEDELDEY JR.  
DIANA LYNN RIELAGE  
**Clerk**  
KATHY MOHR  
**Administrator**  
DAVID L. FOGLESONG

## PARKS AND SERVICES

4200 Springdale Road • Colerain Township, Ohio 45251-1419  
(513) 385-7500 • FAX (513) 245-6503 • [www.coleraintwp.org](http://www.coleraintwp.org)

To: Frank

February 5, 2003

From:

Greg

Subject: Blanchetta/Royalglen properties

I would like to update you on the progress of our maintenance program for the above properties for the upcoming year.

As in the past, we will continue mowing, trimming and general cleanup of the above properties. This area is included on our weekly mowing/trimming schedule and also in our weed control program. Employees will be available for special attention that will be needed to trim woody vegetation. Willows will be trimmed allowing them to bend with the water currents and not aggravate local flooding along the West Fork of the Mill Creek property.

This year watering of all landscaped areas in our parks, township properties and the Blanchetta Drive area will be enhanced by the use of a "mini-pumper" that we have scheduled usage of through the fire department. The pumper can be used in remote areas due to it's four wheel drive and water carrying capabilities. Water pressure/flow can be controlled and we have the necessary fittings to adapt to the desired hose size that will be required to maintain landscaping. This unit is also equipped with a winch system that we can use near the stream area to remove any fallen trees etc.

We are in the process of completing a master plan of scheduled maintenance for the entire township properties that we are responsible for. When completed I will forward a copy of the maintenance schedule to you.

Please contact me for any questions or suggestions you may have.

Robert J. Schell  
Royal Glen Apartments  
7618 Pineglen Dr  
Cincinnati, OH 45224  
513-729-4136  
February 28, 2003

Frank Birkenhauer  
Assistant Township Administrator  
4200 Springdale Road  
Colerain Township, OH 45251

RE: Royal Glen Apartments, 2879 to 2885 Royal Glen Dr, Cincinnati, OH 45239

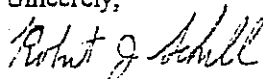
Dear Frank:

As the owner of Royal Glen Apartments I would agree to partner with Colerain Township to allow access to the stream bank property for the purpose of planting and riparian corridor restoration as part of the Clean Ohio Fund grant application. If grant is approved Colerain Township would provide permanent maintenance of the site following the project completion.

This approval would be contingent upon allowing undisturbed access to the parking at Royal Glen Apartments as well as final approval of design for portion owned by Robert J. Schell. Principal of Royal Glen Apartments.

If you have any questions please call me. I look forward to working with Colerain Township to maintain proper flood plain management along the West Fork Mill Creek. This program should improve the looks and safety of the neighborhood as well as the tenants of the community.

Sincerely,



Robert J. Schell



# County of Hamilton

## DEPARTMENT OF PUBLIC WORKS

138 EAST COURT STREET, ROOM 800

CINCINNATI, OHIO 45202

PHONE: (513) 946-4750

FAX: (513) 946-4744

BOARD OF COUNTY COMMISSIONERS

JOHN DOWLIN

PHIL HEIMLICH

TODD PORTUNE

GARY R. VAN HART

DIRECTOR

JEFFREY A. LEEDY

DEPUTY DIRECTOR

JOHN J. MICHEL

DEPUTY DIRECTOR

February 26, 2003

Frank Birkenhauer  
Colerain Township  
4200 Springdale Road  
Cincinnati, OH 45251

RE: Clean Ohio Conservation Fund Application.

Dear Mr. Birkenhauer:

I have reviewed the concept submitted by Straub Ecological Services for ecological services in the Royal Glen, Blanchetta and Galbraith Road areas.

Under the Hamilton County flood damage prevention regulations any fill, grading or excavation of materials would require an application for a flood permit. The planting of prairie grasses and wildflowers, if there is no fill placed on the site would not require a flood permit.

Should you have any questions or if I can be of further assistance please do not hesitate to call. My direct line is 946-4754.

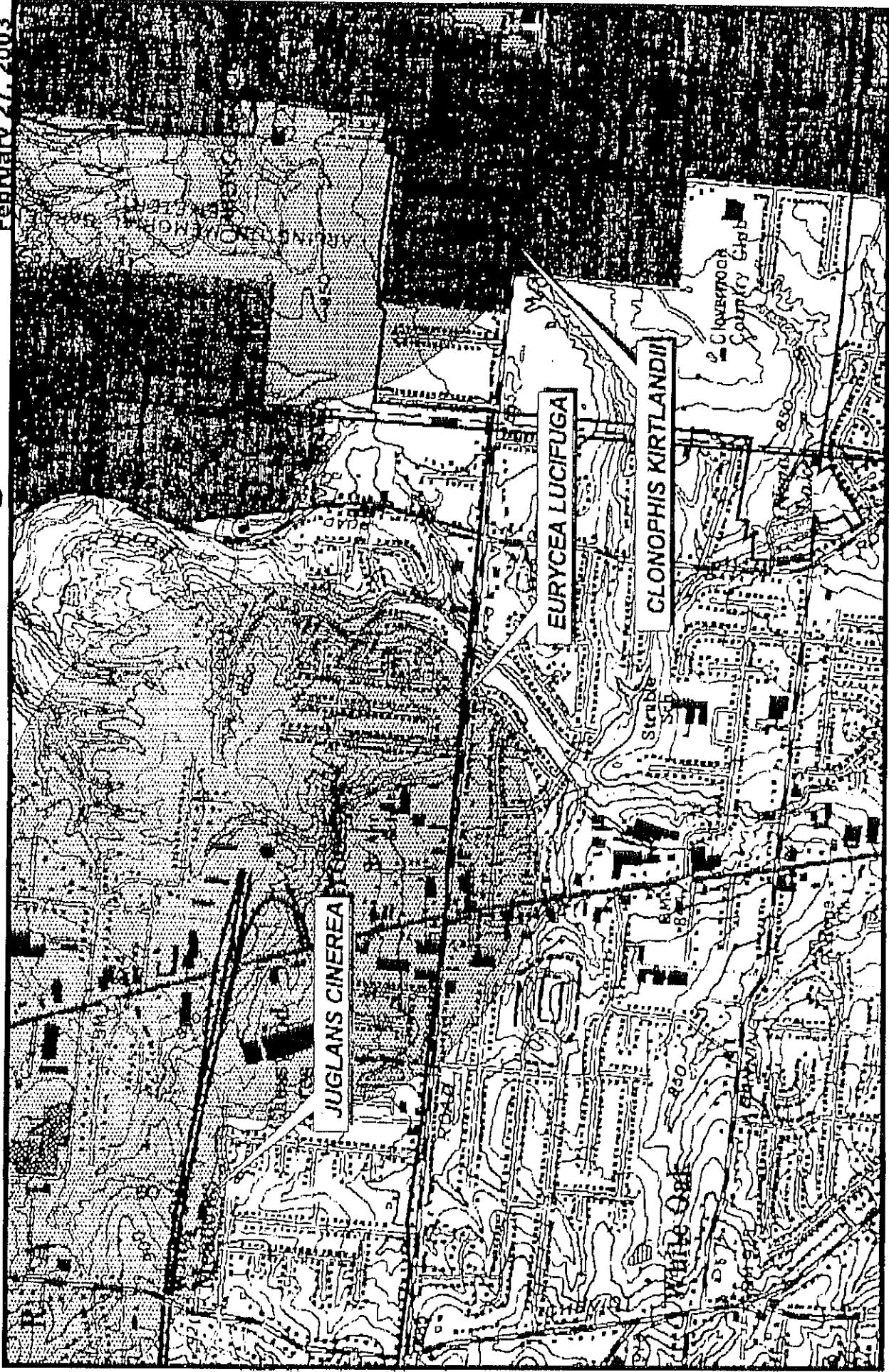
Best regards,

A handwritten signature in cursive script that reads "Sandra Ashba".

Sandra Ashba, CFM

# Cincinnati West Quadrangle

February 27, 2003



Scale 1:13299



Ohio Department of  
Natural Areas and Preserves



# Ohio Department of Natural Resources

BOB TAIT, GOVERNOR  
SAMUEL W. SPECK, DIRECTOR

Division of Natural Areas & Preserves  
Nancy Strayer, Acting Chief  
1889 Fountain Square, Bldg. F-1  
Columbus, OH 43224-1388  
Phone: (614) 265-6453 Fax: (614) 267-3096

February 27, 2003

Bruce Koehler  
Ohio-Kentucky-Indiana Regional Council of Governments  
801-B West Eighth St., Suite 400  
Cincinnati, OH 45203-1607  
Dear Mr. Koehler:

After reviewing our Natural Heritage maps and files, I find the Division of Natural Areas and Preserves has records of rare or endangered species within the area outlined on the map of the Ohio-Kentucky-Indiana Regional Council of Governments West Fork Mill Creek Riparian Corridor Restoration project. The site is located 0.6 mi. NW. of the junction of U.S. Rt. 80 and St. Rt. 176, Royaltown Twp., Cuyahoga Co., Broadview Heights Quadrangle. The blue circles on the map I have included with this letter represent the locations of these records and correspond with the list below. The size of each circle represents the location accuracy of the record based on the information provided to us. Randy Sanders of the Division of Wildlife should be consulted regarding rare animal species. He can be reached at (614) 265-6344.

Scientific Name	Common Name	Status
<i>Clonophis kirtlandi</i>	Kirtland's Snake	Threatened
<i>Eurycea lucifuga</i>	Cave Salamander	Endangered
<i>Juglans cinerea</i>	Butternut	Potentially Threatened

There are no existing or proposed state nature preserves at the project site. We are also unaware of any unique ecological sites, geologic features, breeding or non-breeding animal concentrations, champion trees, state parks, state forests, scenic rivers, or wildlife areas within the project area.

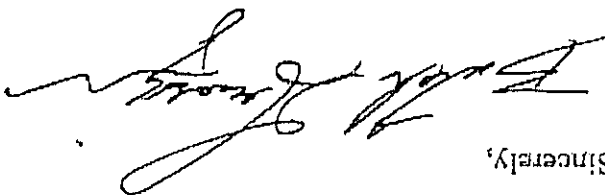
Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Although we inventory all types of plant communities, we only maintain records on the highest quality areas. Also we do not have data for all Ohio wetlands. The Division of Wildlife has a statewide wetland inventory that can give you additional data. Their phone number is (614) 265-6300. For National wetlands inventory maps, please contact Madge Fitak in the Division of Geological Survey at (614) 265-6576. Aerial photos may be obtained from ODOT at (614) 275-1369. USGS maps can be requested directly from the U.S. Geological Survey at 1-888-275-8747.



February 27, 2003  
Bruce Koehler  
Page 2

Please contact me at (614) 265-6409 if I can be of further assistance.

Sincerely,



Butch Grieszmer, Ecological Analyst  
Support Services Group

# Attachment E

Letters of Support

# Mill Creek Watershed Council



Frank Birkenhauer, Chair  
MaryLynn Lodor, Vice Chair  
Cecil Osborn, Secretary/Treasurer  
Nancy Ellwood, Executive Director

March 3, 2003

Natural Resources Assistance Council (NRAC)  
c/o Joe Cottrill, NRAC Liaison  
Hamilton County Engineer's Office  
10480 Burlington Road  
Cincinnati, Ohio 45231

Dear Members of the NRAC:

The Mill Creek Watershed Council supports the application by Colerain Township and its project partners to ecologically restore riparian corridor along segments of West Fork Mill Creek and a tributary in the Groesbeck area.

This project will demonstrate best management practices that have been endorsed by the Mill Creek Watershed Council. The Watershed Council is now working on a Watershed Action Plan that also recognizes the value of the bioengineering techniques proposed by Colerain Township and Straub Ecological Services.

As the West Fork Mill Creek project progresses, the Watershed Council can assist with community-based planning sessions on the project's demonstration/education component. Through its web site, newsletter and e-mail capabilities, the Watershed Council can also assist with project publicity and volunteer recruitment.

Sincerely,

Nancy Ellwood, Executive Director  
Mill Creek Watershed Council



Your Natural Choice®

10245 Winton Road • Cincinnati, Ohio 45231  
(513) 521-PARK (7275) • [www.greatparks.org](http://www.greatparks.org)

**Board of Park Commissioners:**

NANCY R. HAMANT • ROBERT A. GOERING • JAMES E. BUSHMAN

**Director JACK SUTTON**

February 28, 2003

Mr. Frank Birkenhauer, Assistant Administrator  
Colerain Township  
4200 Springdale Road  
Cincinnati, Ohio 45251-1419

**RE: Clean Ohio Conservation Fund Application**

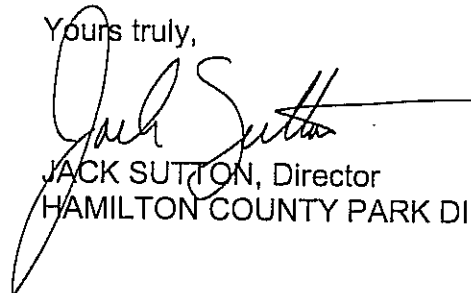
Dear Mr. Birkenhauer:

I am writing to express the Hamilton County Park District's support for the proposed project to select, design and install bioengineering techniques along the West Fork Mill Creek and one of its tributaries in Colerain Township. The Park District is responsible for managing Winton Lake and other portions of West Fork Mill Creek downstream of the proposed project. To a significant degree the success of the Park District's management of the lake and lower reaches of West Fork Mill Creek is dependent on the successful application of best management practices upstream of the lake. The proposed Clean Ohio Program project is a step toward providing much improved riparian management methods.

At the regularly scheduled Board meeting held on February 26, 2003, the Board of Park Commissioners of the Hamilton County Park District adopted a resolution in support of the West Fork Mill Creek Sub-basin Watershed Action Plan. The Board resolved to support efforts to implement the actions proposed in the watershed action plan, and further resolved to coordinate with local jurisdictions to improve West Fork Mill Creek as a regional resource. Colerain Township's proposed project is consistent with the goals of the plan that our Board has supported.

The Hamilton County Park District appreciates your efforts to improve this regionally significant natural resource.

Yours truly,



JACK SUTTON, Director  
HAMILTON COUNTY PARK DISTRICT

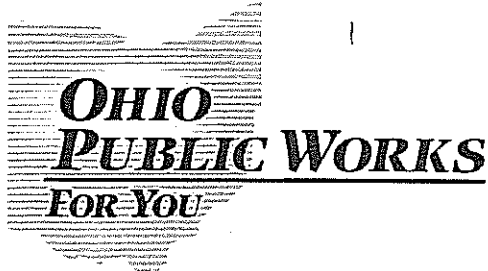
JS/dlw

Cc: Bob Mason, Environmental Specialist

---

**MISSION STATEMENT**

*"To preserve and protect natural resources and to provide outdoor recreation and education in order to enhance the quality of life for present and future generations."*



**THE OHIO PUBLIC WORKS COMMISSION**  
65 East State Street, Suite 312, Columbus, Ohio 43215-4213

**COMMISSIONERS**

Chair -  
Steven E. Stivers

John L. Frola, Jr.  
Blair A. Hillyer  
James F. Mears  
William J. Schottenstein  
James W. Sumner  
Joseph B. Williams

**DIRECTOR**

W. Laurence Bicking

05/01/2003

**Keith Corman**  
Trustee President  
Colerain Township  
4200 Springdale Road,  
Cincinnati, OH 45251-

**Subdivision Code : 061-16616**

**Dear Mr. Corman,**

Your request for financial assistance from the Ohio Public Works Commission has been approved for the project entitled **West Fork Mill Creek Riparian Corridor** in the amount of \$ **43,802**. This **Grant** has been assigned project number **CBBAF**. Please use this number when calling or writing our office.

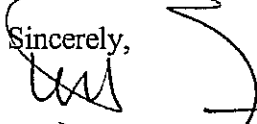
The enclosed Project Agreement defines **Colerain Township's** responsibilities in accepting this financial assistance. Please review it carefully to ensure that the project has been accurately described and defined throughout the agreement's appendices. If any errors are found, or if any information needs to be updated, please contact us immediately.

Please execute the Project Agreement by signing both copies. **You must return one fully executed copy to the Commission within forty-five (45) days**, and retain the other for your files. This project may not proceed with acquisition, construction or purchase of materials, **until you have completed the following**; 1) returned one executed copy of the agreement to OPWC, 2) prepared and sent to OPWC a "Request to Proceed" 3) received approval from OPWC on your "Request to Proceed"

The Project Manager and Chief Financial Officer named in the agreement will each receive a separate mailing that explains their respective duties regarding project implementation. The Project Manager has also received a reference copy of the enclosed Project Agreement for their records. All of our project management related documents for the Clean Ohio Program are located at our Web page at [www.pwc.state.oh.us](http://www.pwc.state.oh.us). Once there, click on the link titled "**Clean Ohio Program**".

If you have any questions about any aspect of the program, please do not hesitate to call your Program Representative, **Rob White**, at 614/752-9344.

Sincerely,

  
W. Laurence Bicking  
Director

cc: District Committee